



Substitute for form 1449A/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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|-------|---|----|---|------------------------|-------------------------|
| Sheet | 1 | of | 4 | Attorney Docket Number | MMI-0102 (14972.105004) |
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U.S. PATENT DOCUMENTS

| Examiner Initials * | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|---------------------|-----------------------|--|--------------------------------|--|---|
| | | Number - Kind Code ² (if known) | | | |
| | AA | US-6,103,446 | 08/15/2000 | | |
| | AB | US- 2003/01298609 A1 | 07/10/2003 | | |
| | AC | US- 2003/0104424 A1 | 08/05/2003 | | |
| | AD | US- 2003/0190844 A1 | 10/09/2003 | | |
| | AE | US- 6,218,119 | 04/17/2001 | | |
| | AF | US- 2002/0123058 A1 | 09/05/2002 | | |
| | AG | US- 2002/0137139 A1 | 09/26/2002 | | |
| | AH | US- 2002/0137180 A1 | 09/26/2002 | | |
| | AI | US- 2002/0119442 A1 | 08/29/2002 | | |
| | AJ | US- 2002/0107211 A1 | 08/08/2002 | | |
| | AK | US- 6,458,531 | 10/01/2002 | | |
| | AL | US- 6,701,889 | 03/09/2004 | | |
| | AM | US- 2003/0219819 A1 | 11/27/2003 | | |
| | AN | US- 6,383,751 B1 | 05/07/2002 | | |
| | AO | US- 5,582,987 | 12/10/1995 | | |
| | | US- | | | |
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FOREIGN PATENT DOCUMENTS

| Examiner Initials * | Cite No. ¹ | Foreign Patent Document | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear | T ⁶ |
|---------------------|-----------------------|---|--------------------------------|---|--|----------------|
| | | Country Code ³ - Number ⁴ - Kind Code ⁵ (if known) | | | | |
| | AP | WO02/076190 A2 | 10/03/2002 | | | |
| | AQ | WO02/09510 A2 | 07/02/2002 | | | |
| | AR | WO02/072871 A2 | 09/19/2002 | | | |
| | AS | WO01/21801 A1 | 03/29/2001 | | | |
| | AT | WO02/40709 A2 | 05/23/2002 | | | |
| | AU | WO02/059374 A1 | 08/01/2002 | | | |

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| Examiner Signature | Date Considered |
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| Sheet | 2 | of | 4 |
| | | Attorney Docket Number | MMI-0102 (14972.105004) |
| | | Application Number | 10/750,622 |
| | | Filing Date | December 31, 2003 |
| | | First Named Inventor | Sue K. DeNise |
| | | Art Unit | 1637 |
| | | Examiner Name | David C. Thomas |

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|--------------------|-----------------------|---|--------------------------------|---|--|----------------|
| | | Country Code ³ - Number ⁴ - Kind Code ⁵ (if known) | | | | |
| | BA | WO04/013346 A2 | 02/12/2004 | | | |
| | BB | WO02/064749 A2 | 08/22/2002 | | | |
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| Substitute for form 1449B/PTO | | | | Complete if Known | |
| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | | | Application Number | 10/750,622 |
| (Use as many sheets as necessary) | | | | Filing Date | December 31, 2003 |
| | | | | First Named Inventor | Sue K. DeNise |
| | | | | Art Unit | 1637 |
| | | | | Examiner Name | David C. Thomas |
| Sheet | 3 | of | 4 | Attorney Docket Number | MMI-0102 (14972.105004) |

| NON PATENT LITERATURE DOCUMENTS | | | | |
|---------------------------------|-----------------------|---|--|----------------|
| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | T ² |
| | CA | ZHANG, H.M., et al., "Rapid Communication: A Novel DNA Polymorphism of the Bovine Calpain Gene Detected by PCR-RFLP Analysis"; J. Anim. Sci. 1998; 74:1441 | | |
| | CB | DAVIS, G.P., et al., "The Impact of Genetic Markers on Selection", J. Anim. Sci 1998, 76:2331-2339 | | |
| | CC | DENISE, S.K., et al., "Genetic Parameter Estimates for Postweaning Traits of Beef Cattle in a Stressful Environment", J. Anim. Sci. 1989, 67:2619-2626 | | |
| | CD | DU, F.X., et al., "Heterozygosity for Genes Influencing a Quantitative Trait", J. Anim. Sci. 2002, 80:1478-1488 | | |
| | CE | UNANIAN, M.M., et al., "Rapid Communication: Polymerase Chain Reaction-Restriction Fragment Length Polymorphism in the Bovine Growth Hormone Gene", J. Anim. Sci. 1994, 72:2203 | | |
| | CF | ZHANG, H.M., et al., "Rapid Communication: Polymerase Chain Reaction-Restriction Fragment Length Polymorphism Analysis of the Bovine Somatotropin Gene", J. Anim. Sci. 1993, 71:2276 | | |
| | CG | ZHANG, H.M., et al., "Rapid Communication: Dialelic Single-Stranded Conformational Polymorphism Detected in the Bovine Prolactin Gene", J. Anim. Sci. 1994, 72:256 | | |
| | CH | AX, R.L., et al. "New developments in managing the bull: Factors Affecting Calf Corp: Biotechnology of Reproduction", CRC Press, 2001. | | |
| | CI | DENISE, S.K., et al., "Genetic Technologies: Factors Affecting Calf Corp: Biotechnology of Reproduction", CRC Press, 2001 | | |
| | CJ | DENISE, R.S.K., et al. "Genetic and environmental aspects of the growth curve parameters in beef cows", J. Anim. Sci. 1985, 61:1431 | | |
| | CK | DENISE, R.S.K., et al., "Relationships among postweaning weights and gains of cattle raised under range and gain test environments", J. Anim. Sci. 1987, 64:969 | | |
| | CL | DENISE, R.S.K., et al., "Relationships among udder shape, udder capacity, cow longevity and calf weights", J. Anim. Sci. 1987, 65:366 | | |
| | CM | TANIDA, H., et al., "Genetic aspects of longevity in Angus and Hereford cows", J. Anim. Sci. 1988, 66:640 | | |

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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | <i>Application Number</i> | 10/750,622 |
| (Use as many sheets as necessary) | | <i>Filing Date</i> | December 31, 2003 |
| Sheet 4 of 4 | | <i>First Named Inventor</i> | Sue K. DeNise |
| | | <i>Art Unit</i> | 1637 |
| | | <i>Examiner Name</i> | David C. Thomas |
| | | <i>Attorney Docket Number</i> | MMI-0102 (14972.105004) |

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|---------------------------------|-----------------------|---|--|----------------|
| Examiner Initials * | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | | T ² |
| | CN | ZHANG, H.M., et al., "Nucleotide sequence determination of a bovine somatotropin allele", <i>An. Genetics.</i> , 1993, 23:578 | | |
| | CO | LAGZIEL, A., et al., "Geographic and breed distribution of an <i>MspI</i> PCR-RFLP in the bovine growth hormone (bGH) gene", <i>Anim. Genet.</i> 2000, 31:1-4 | | |
| | CP | DENISE, S.K., et al., "The use of genetic markers in dairy and beef cattle improvement: Proc. Southwest Nutr. And Manage", Conf., Tempe, AZ 1993 | | |
| | CQ | DENISE, S.K., et al., "Genetic screening for disease and production: Proc. Western Canadian Dairy Sem.", Red Deer, Alberta 1993 | | |
| | CR | DENISE, S.K., et al., "Incorporation of molecular genetic information into genetic prediction models: Proc. Genetic Prediction Workshop, Beef Improvement Federation", Kansas City, Jan. 1994 | | |
| | CS | DENISE, S.K., et al., "Gene mapping, marker-assisted selection, QTLs-Boiling it down to cowboy lingo. Proc. Beef Improvement Federation Annual Meeting", Des Moines, Iowa, June 1994 | | |
| | CT | DENISE, S.K., "Biotechnology and Animal Breeding: What can we use today and what does the future hold?" Great Plains Beef Cattle Handbook 1994 | | |
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| U.S. PATENT DOCUMENTS | | | | | |
|-----------------------|-----------------------|--|--------------------------------|--|---|
| Examiner Initials* | Cite No. ¹ | Document Number | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
| | | Number - Kind Code ³ (if known) | | | |
| AA | US-6,193,446 | | 08/15/2000 | | |
| AB | US-2003/0120609 A1 | | 07/10/2003 | | |
| AC | US-2003/0104424 A1 | | 06/05/2003 | | |
| AD | US-2003/0190644 A1 | | 10/09/2003 | | |
| AE | US-6,218,119 | | 04/17/2001 | | |
| AF | US-2002/0123058 A1 | | 09/05/2002 | | |
| AG | US-2002/0157139 A1 | | 09/26/2002 | | |
| AH | US-2002/0137160 A1 | | 09/26/2002 | | |
| AI | US-2002/0119442 A1 | | 08/29/2002 | | |
| AJ | US-2002/0167211 A1 | | 08/06/2002 | | |
| AK | US-6,458,531 | | 10/01/2002 | | |
| AL | US-5,701,869 | | 03/09/2004 | | |
| AM | US-2003/0219819 A1 | | 11/27/2003 | | |
| AN | US-6,383,751 B1 | | 05/07/2002 | | |
| AO | US-5,582,987 | | 12/10/1996 | | |
| | US- | | | | |
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| FOREIGN PATENT DOCUMENTS | | | | | |
|--------------------------|-----------------------|---|--------------------------------|---|--|
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| | | Country Code ⁵ - Number ⁴ - Kind Code ³ (if known) | | | |
| AP | WO02/076190 A2 | | 10/03/2002 | | |
| AQ | WO02/09516 A2 | | 07/02/2002 | | |
| AR | WO02/072871 A2 | | 09/19/2002 | | |
| AS | WO01/21801 A1 | | 03/29/2001 | | • |
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| | CH | AX, R.L., et al. "New developments in managing the bull: Factors Affecting Calf Corp: Biotechnology of Reproduction", CRC Press, 2001. | |
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| INFORMATION DISCLOSURE STATEMENT BY APPLICANT | | Application Number | 10/750,622 |
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| | | First Named Inventor | Sue K. DeNise |
| | | Art Unit | 1637 |
| | | Examiner Name | David C. Thomas |
| Sheet | 4 | of | 4 |
| | | Attorney Docket Number | |
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